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Practitioner's Docket No: 46315-C (70904)

**PATENT** 

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Box Patent Application Assistant Commissioner for Patents** Washington, D.C. 20231

#### NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of Inventor(s): Yoshihiro IZUMI

WARNING: 37 C.F.R.  $\S$  1.41(a)(1) points out:

"(a) A patent is applied for in the name or names of the actual inventor or inventors.

(1) The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by § 1.63, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration as prescribed by  $\S$  1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to  $\S$  1.53(b), unless a petition under this paragraph accompanied by the fee set forth in § 1.17(i) is filed supplying or changing the name or names of the inventor or inventors.'

For (title): DISPLAY DEVICE UTILIZING A PLURALITY OF ADJOINING DISPLAY

PANELS TO FORM SINGLE DISPLAY SCREEN AND METHODS

RELATED THERETO (AS AMENDED)

#### 1. **Type of Application**

This new application is for a(n)

#### **CERTIFICATION UNDER 37 C.F.R. 1.10\***

(Express Mail label number is mandatory.) (Express Mail certification is optional.)

I hereby certify that this correspondence and the documents referred to as attached therein are being deposited with the United States Postal Service on this date <u>December</u> 2001, in an envelope as "Express Mail Post Office to Addressee," mailing Label Number \_\_EL931635842US addressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231.

Fatima H. DeArruda

(type or print name of person) maiking paper)

**WARNING:** 

Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. 1.8 cannot be used to

obtain a date of mailing or transmission for this correspondence.

\*WARNING:

Each paper or fee filed by "Express Mail" **must** have the number of the "Express Mail" mailing label

placed thereon prior to mailing. 37 C.F.R. 1.10(b).

"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.



(check	k one applicable item below)				
	[X] [ ] [ ]	Original (nonprovisional) Design Plant			
WARNI		<b>Do not</b> use this transmittal for a completion in the U.S. of an International Application under 35 U.S.C. 4), unless the International Application is being filed as a divisional, continuation or continuation-in-part tion.			
WARNI	NG:	Do not use this transmittal for the filing of a provisional application.			
NOTE:	TRANSI	f the following 3 items apply, then complete and attach ADDED PAGES FOR NEW APPLICATION MITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED and a NOTIFICATION IN PARENT CATION OF THE FILING OF THIS CONTINUATION APPLICATION.			
	[ ] [X] [ ]	Divisional. Continuation. Continuation-in-part (C-I-P).			
2.	Benefi	it of Prior U.S. Application(s) (35 U.S.C. 119(e), 120, or 121)			
NOTE:	applicate nonprovinternate at least claimed	rovisional application may claim an invention disclosed in one or more prior filed copending nonprovisional tions or copending international applications designating the United States of America. In order for a visional application to claim the benefit of a prior filed copending nonprovisional application or copending ional application designating the United States of America, each prior application must name as an inventor one inventor named in the later filed nonprovisional application and disclose the named inventor's invention in at least one claim of the later filed nonprovisional application in the manner provided by the first up of 35 U.S.C. 112. Each prior application must also be:			
		(i) An international application entitled to a filing date in accordance with PCT Article 11 and designating the United States of America; or			
		(ii) Complete as set forth in § 1.51(b); or			
		(iii) Entitled to a filing date as set forth in § 1.53(b) or § 1.53(d) and include the basic filing fee set forth in § 1.16; or			
		(iv) Entitled to a filing date as set forth in § 1.53(b) and have paid therein the processing and retention fee set forth in § 1.21(l) within the time period set forth in § 1.53(f).			
	37 C.F.I	$R. \ \S \ 1.78(a)(1).$			

NOTE If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., or benefit of a prior provisional application is claimed, then check the following item and complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. 120, 121 or 365(c). (35 U.S.C. 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

WARNING: When the last day of pendency of a provisional application falls on a Saturday, Sunday, or Federal holiday within the District of Columbia, any nonprovisional application claiming benefit of the provisional application must be filed prior to the Saturday, Sunday, or Federal holiday within the District of Columbia. See 37 C.F.R. § 1.78(a)(3).

[X] The new application being transmitted claims the benefit of prior U.S. application(s). See Preliminary Amendment filed herewith.

#### 3. Papers Enclosed

- A. Required for Filing Date under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153 (Design) Application
  - 37 Pages of Specification
  - 12 Pages of Claims
  - 9 Sheets of Drawing (formal, 12 figures)

WARNING: DO NOT submit original drawings. A high quality copy of the drawings should be supplied when filing a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to § 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. For comments on proposed then-new 37 C.F.R. 1.84, see Notice of March 9, 1988. (1990 O.G. 57-62).

NOTE: "Identifying indicia, if provided, should include the application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application. This information should be placed on the back of each sheet of drawing a minimum distance of 1.5 cm. (5/8 inch) down from the top of the page. . ." 37 C.F.R. § 1.84(c)).

(complete the following, if applicable)

[ ]	The enclosed drawing(s) are photograph(s), and there is also attached a "PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)." 37 C.F.R. § 1.84(b).
[X]	Formal
[ ]	Informal

В.	Other	<b>Papers</b>	Enclosed

- 1 Pages of declaration and power of attorney
- 1 Page of Abstract
- 0 Other

## 4. Additional Papers Enclosed

IX	Amendment to c	laime
141		CITITIO

- [] Cancel in this applications claims 00 before calculating the filing fee. (At least one original independent claim must be retained for filing purposes.)
- [] Add the claims shown on the attached amendment. (Claims added have been numbered consecutively following the highest numbered original claims.)
- [X] Preliminary Amendment
- [X] Information Disclosure Statement (37 C.F.R. § 1.98)
- [X] Form PTO-1449 (PTO/SB/08A and 08B)
- [X] Citations (1)
- [ ] Declaration of Biological Deposit
- [ ] Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.
- [ ] Authorization of Attorney(s) to Accept and Follow Instructions from Representative
- [ ] Special Comments
- [X] Other --- Transmittal of Formal Drawings

### 5. Declaration or Oath (including power of attorney)

NOTE: A newly executed declaration is not required in a continuation or divisional application provided the prior nonprovisional application contained a declaration as required, the application being filed is by all or fewer than all the inventors named in the prior application, there is no new matter in the application being filed, and a copy of the executed declaration filed in the prior application (showing the signature or an indication thereon that it was signed) is submitted. The copy must be accompanied by a statement requesting deletion of the names of person(s) who are not inventors of the application being filed. If the declaration in the prior application was filed under § 1.47 then a copy of

that declaration must be filed accompanied by a copy of the decision granting § 1.47 status or, if a nonsigning person under § 1.47 has subsequently joined in a prior application, then a copy of the subsequently executed declaration must be filed. See 37 C.F.R. § 1.63(d)(1)-(3).

NOTE:	A declaration filed to complete an application must be executed, identify the specification to which it is directed, identify each inventor by full name, including the family name, and at least one given name without abbreviation together with any other given name or initial, and the residence, post office address and country of citizenship of each inventor, and state whether the inventor is a sole or joint inventor. 37 C.F.R. § 1.63(a)(1)-(4).				
	[X]	Enclos	ed (cop	y of declaration filed in parent)	
		Execut	ted by		
				(check all applicable boxes)	
		[X] [ ] [ ]	joint ir	or (s). epresentative of inventor(s). 37 C.F.R. § 1.42 or 1.43. eventor or person showing a proprietary interest on behalf of inventor who do to sign or cannot be reached.  This is the petition required by 37 C.F.R. § 1.47 and the statement required by 37 C.F.R. § 1.47 is also attached. See item 13 below for fee.	
	[]	Not En	closed.		
NOTE:	OTE: Where the filing is a completion in the U.S. of an International Application, or where the comple application contains subject matter in addition to the International Application, the application continuation or continuation-in-part, as the case may be, utilizing ADDED PAGE FOR NEW AF TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION CLAIMED.				
		[]		ation is made by a person authorized under 37 C.F.R. 1.41(c) on behalf of above named inventor(s).	

(The declaration or oath, along with the surcharge required by 37 C.F.R. § 1.16(e), can be filed subsequently).

[]

Showing that the filing is authorized. (not required unless called into question. 37 C.F.R. § 1.41(d))

# 6. Inventorship Statement

WARNI			med inventors are each not the inventors of all the claims an explanation, including the ownership ns at the time the last claimed invention was made, should be submitted.	
The inventorsh		ip for all	the claims in this application are:	
	[]	The sar	me.  or	
	[ ]		same. An explanation, including the ownership of the various claims at the time claimed invention was made, is submitted. will be submitted.	
7.	Language			
NOTE:	luding a signed oath or declaration may be filed in a language other than English. An English non-English language application and the processing fee of \$130.00 required by 37 C.F.R. § to be filed with the application, or within such time as may be set by the Office. 37 C.F.R. §			
	[X] [ ]	English Non-Er		
		[]	The attached translation includes a statement that the translation is accurate. 37 C.F.R. § 1.52(d).	
8.	Assign	ment		
	[X]		gnment of the invention toSharp Kabushiki Kaisha Nagaike-cho, Abeno-ku, Osaka, JAPAN	
		[]	is attached. A separate [] "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or [] FORM PTO 1595 is also attached.	
		[X]	as recorded on March 20, 1996 reel 7911, frame 0657	

NOTE: "If an assignment is submitted with a new application, send two separate letters-one for the application and one for the assignment" Notice of May 4, 1990 (1114 O.G. 77-78).

WARNING: A newly executed "STATEMENT UNDER 37 C.F.R. § 3.73(b)" must be filed when a continuation-in-part application is filed by an assignee. Notice of April 30, 1993, 1150 O.G. 62-64.

9.	Certinea Copy						
	Certif	fied copy(ies) of applic	ation(s)				
	JAF	PAN	08-9696	April 14, 1995			
	Co	untry	Appln. no.	Filed			
	JA	PAN	20-1077	August 7, 1995			
Country		untry	Appln. no.	Filed			
from v	vhich pr [X] [ ]	riority is claimed originals were filed will follow.	l with application no: 08/618,833	3 on March 20, 1996			
NOTE:	-	reign application forming th § 1.55(a) and 1.63.	e basis for the claim for priority must be	referred to in the oath or declaration. 37			
NOTE:	This ite	em is for any foreign priority	y for which the application being filed div	rectly relates. If any parent U.S.			

application or International Application from which this application claims benefit under 35 U.S.C. 120 is itself entitled to priority from a prior foreign application, then complete item 18 on the ADDED PAGES FOR NEW

APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

## **10.** Fee Calculation (37 C.F.R. § 1.16)

A. [X] Regular application

		CLAIM	S AS FILED		
Claims	Number Filed	Basic Fee Allowance	Number Extra	Rate	Basic Fee 37 C.F.R. § 1.16(a) \$740.00
Total Claims (37 C.F.R. § 1.16(c))	32	<b>½</b> 0 0	12 + \$18.00 \$216.00		\$18.00 \$216.00
Independent Cla (37 C.F.R. § 1.16(b))	ims 6	- 3 x	3 =	\$ 84.00 \$252.00	
Multiple Depend Claim(s), if any (37 C.F.R. § 1.16(d))	dent		+	\$280.00 \$0.00	\$270.00

[X] Ameno	lment cancelling	extra claim	s is enclosed.
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NOTE: If the fees for extra claims are not paid on filing they must be paid or the claims cancelled by amendment, prior to the expiration of the time period set for response by the Patent and Trademark Office in any notice of fee deficiency. 37 C.F.R. § 1.16(d).

		Filing Fee Calculation	\$ <u>1208.00</u>
В.	[ ] Design application (\$310.00—37 C.F.R. § 1.16(f)	)	
		Filing Fee Calculation	\$
C.	[ ] Plant application (\$480.00—37 C.F.R. § 1.16(g)	)	
		Filing Fee Calculation	\$

<sup>[ ]</sup> Amendment deleting multiple-dependencies is enclosed.

<sup>[ ]</sup> Fee for extra claims is not being paid at this time.

[ ] Statement(s) that this is a filing by a small entity under 37 C.F.R. §§ 1.9 and 1.27 is (are) attached.

WARNING: "Status as a small entity must be specifically established in each application or patent in which the status is available and desired. Status as a small entity in one application or patent does not affect any other application or patent, including applications or patents which are directly or indirectly dependent upon the application or patent in which the status has been established. The refiling of an application under § 1.53 as a continuation, division, or continuation-in-part (including a continued prosecution application under § 1.53(d)), or the filing of a reissue application requires a new determination as to continued entitlement to small entity status for the continuing or reissue application. A nonprovisional application claiming benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) of a prior application, or a reissue application may rely on a statement filed in the prior application or in the patent if the nonprovisional application or the reissue application includes a reference to the statement in the prior application or in the patent or includes a copy of the statement in the prior application or in the patent or includes. The payment of the small entity basic statutory filing fee will be treated as such a reference for purposes of this section." 37 C.F.R. § 1.28(a)(2).

## (complete the following, if applicable)

		, filed on	from	which	benefit	is	being
claimed for th	is applica	ation under:					
35 U.S.C. §	[]	119(e),					
	[]	120,					
	[]	121,					
	[]	365(c),					
and which sta	tus as a s	mall entity is still proper and	desired.				
[ ] A cop	y of the	statement in the prior applica	tion is includ	led.			
Filing Fee Cal	culation	(50% of <b>A</b> , <b>B</b> or <b>C</b> above)	\$				

NOTE: Any excess of the full fee paid will be refunded if a small entity status is established refund request are filed within 2 months of the date of timely payment of a full fee. The two-month period is not extendable under § 1.136. 37 C.F.R. § 1.28(a).

#### 12. Request for International-Type Search (37 C.F.R. § 1.104(d))

(complete, if applicable)

[ ] Please prepare an international-type search report for this application at the time when national examination on the merits takes place.



# 13. Fee Payment Being Made at This Time

	sed	
[X]	Filing fee	\$ <u>1208.00</u>
[]	Recording assignment (\$40.00; 37 C.F.R. § 1.21(h)) (See attached "COVER SHEET FOR ASSIGNMENT ACCOMPANYING NEW	
	APPLICATION.")	\$
[ ]	Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached	
	(\$130.00; 37 C.F.R. §§ 1.47 and 1.17(i))	\$
[]	For processing an application with a specification in a non-English language	<b>c</b>
	(\$130.00; 37 C.F.R. §§ 1.52(d) and 1.17(k))	<b>5</b>
[]	Processing and retention fee (\$130.00; 37 C.F.R. §§ 1.53(d) and 1.21(l))	\$

NOTE: 37 C.F.R. § 1.21(1) establishes a fee for processing and retaining any application that is abandoned for failing to complete the application pursuant to 37 C.F.R. § 1.53(f) and this, as well as the changes to 37 C.F.R. § 1.53 and 1.78(a)(1), indicate that in order to obtain the benefit of a prior U.S. application, either the basic filing fee must be paid, or the processing and retention fee of § 1.21(1) must be paid, within 1 year from notification under § 53(f).

**Total Fees Enclosed** 

\$\_1208.00

14.	Method	of Payment	of Fees
-----	--------	------------	---------

[X] Check in the amount of \$\_1208.00

[ ] Charge Account No. \_\_\_\_\_ in the amount of \$\_\_\_\_.

A duplicate of this transmittal is attached.

NOTE: Fees should be itemized in such a manner that it is clear for which purpose the fees are paid. 37 C.F.R. § 1.22(b).

## 15. Authorization to Charge Additional Fees

**WARNING:** 

If no fees are to be paid on filing, the following items should not be completed.

WARNING: Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges, if extra claim charges are authorized.

- [X] The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No. 04-1105.
  - [X] 37 C.F.R. § 1.16(a), (f) or (g) (filing fees)
  - [X] 37 C.F.R. § 1.16(b), (c) and (d) (presentation of extra claims)

NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 C.F.R. § 1.16(d)), it might be best not to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action.

- [X] 37 C.F.R. § 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)
- [X] 37 C.F.R. § 1.17(a)(1)-(5) (extension fees pursuant to § 1.136(a).
- [X] 37 C.F.R. § 1.17 (application processing fees)

NOTE: "A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under § 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forth in § 1.17(a) will also be treated as a constructive petition for an extension of time in any concurrent reply requiring a petition for an extension of time under this paragraph for its timely submission." 37 C.F.R. § 1.136(a)(3).

[ ] 37 C.F.R. § 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b))

NOTE: Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the notice of allowance. 37 C.F.R. § 1.311(b)).

NOTE: 37 C.F.R. § 1.28(b) requires "Notification of any change in status resulting in loss of entitlement to small entity status must be filed in the application . . . prior to paying, or at the time of paying, . . issue fee." From the wording of 37 C.F.R. § 1.28(b), (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.

## 16. Instructions as to Overpayment

NOTE: "... Amounts of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. § 1.26(a).

[X] Credit Account No. <u>04-1105</u>.

[ ] Refund

Date: December 20, 2001

Tel. No. (617) 439-4444

Customer No: 21,874

BOS2\_185563.1

SIGNATURE OF PRACTITIONER

William J. Daley, Jr. (Reg. No: 35,487)

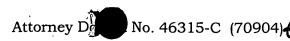
Dike, Bronstein, Roberts & Cushman Intellectual Property Practice Group

EDWARDS & ANGELL, LLP

PO BOX 9169

Boston, MA 02209





#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APFLICANT: Yoshihiro IZUMI

**EXAMINER:** 

Not Yet Assigned

U.S.S.N.:

Not Yet Assigned

GROUP:

Not Yet Assigned

FILED:

Herewith

FOR:

DISPLAY DEVICE UTILIZING A PLURALITY OF ADJOINING DISPLAY

Assistant Commissioner for Patents Washington, D.C. 20231

#### CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on December 20, 2001.

#### TRANSMITTAL OF FORMAL DRAWING BEFORE NOTICE OF ALLOWANCE

Sir:

Enclosed please find Figure(s) 1-12 consisting of nine (9) sheet(s) of the formal drawing for the subject application. These figures are being submitted to correct the drawing informalities as had been noted by the Draftsperson regarding the parent application the subject application is claiming priority to. In accordance with 37 C.F.R. 1.84(c), identifying indicia is provided on the backside of each sheet.

Applicants believe that additional fees are not required for consideration of the within Transmittal. However, if for any reason a fee is required, a fee paid is inadequate or credit is owed for any excess fee paid, you are hereby authorized and requested to charge Deposit Account No. 04-1105.

By:

Respectfully submitted, EDWARDS & ANGELL, LLP DIKE, BRONSTEIN, ROBERTS & CUSHMAN Intellectual Property Practice Group

Date: December 20, 2001

William J. Daley, Vr. (Reg. 46. 35,487)

P.O. Box 9169 Boston, MA 02209 (617) 439- 4444

Customer No: 21,874

Bos2\_185849.1

change of status

## D ck t No. 46315-C (70904)

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of: Yoshihiro IZUMI

Group: Not Yet Assigned

Serial No.: Not Yet Assigned

Examiner: Not Yet Assigned

Filed:

纂

Filed Herewith

For:

DISPLAY DEVICE UTILIZING A PLURALITY OF ADJOINING DISPLAY

PANELS TO FORM SINGLE DISPLAY SCREEN AND METHODS RELATED

THERETO (AS AMENDED)

Assistant Commissioner of Patents and Trademarks Washington, D.C. 20231

Sir:

#### **CHANGE OF MAILING ADDRESS**

Applicant requests that all communications from the Patent and Trademark

Office in connection with the subject continuing application be sent to the following address:

Dike, Bronstein, Roberts & Cushman Intellectual Property Practice Group of Edwards & Angell, LLP P.O. Box 9169 Boston, MA 02209 Tel.: (617) 439-4444

Facsimile: (617) 439-4170

The firm has moved since the filing of the parent application, thus the correspondence address information in the executed declaration is no longer correct.

Date: December 21, 2001

William J. Daley, Jr. (Reg. No. 35,487)

BOS2\_185595.1

F:WJD\44750 rev: 12/20/01